

**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (**currently amended**): Apparatus for mixing explosive materials, comprising:

a reservoir of ~~pre-mixed~~ pre-mix explosive material;

a reservoir of hardener material; and

a static mixer; wherein,

each of said reservoirs has separate piping for conveying said ~~pre-mixed~~ pre-mix explosive material and said hardener material, respectively, to a static mixer for mixing;

a flow of ~~pre-mixed~~ pre-mix explosive material towards said static mixer is controlled by a hydraulic cylinder and ram assembly that is coupled to apply controlled pressure to the pre-mixed explosive material.

Claim 2 (**previously presented**): Apparatus for mixing explosive materials in accordance with claim 1, wherein said materials are combined substantially at an inlet of said static mixer.

Claim 3 (**previously presented**): Apparatus for mixing explosive materials in accordance with claim 1, wherein an outlet of said static mixer is connected to piping for filling ordnance with mixed explosive material.

Claim 4 (**previously presented**): Apparatus for mixing explosive materials in accordance with claim 1 wherein the piping for filling ordnance with combined final explosive material is controlled such that the respective pre-mix explosive material and hardener materials are introduced to the static mixer on demand, the demand being controlled by an automated ordnance fill level controller.

Claim 5 (**previously presented**): Apparatus for mixing explosive materials in accordance with claim 4 wherein said automated ordnance fill level controller comprises at least one fiber optic sensor.

Claims 6-9 (**canceled**):

Claim 10 (**previously presented**): Apparatus for mixing explosive materials in accordance with claim 1, wherein the pre-mix explosive comprises PBX.

Claim 11 (**currently amended**): ~~Apparatus for mixing explosive materials~~  
~~comprising:~~

~~a hydraulic cylinder and ram assembly for providing a flow of pre-mixed~~  
~~explosive material; and~~

The apparatus according to claim 1, further comprising:

a flow meter for measuring a flow of hydraulic fluid in said hydraulic  
cylinder and ram assembly for determining said flow of said pre-mixed explosive  
material.

Claim 12 (**previously presented**): A method for mixing explosive materials  
comprising:

holding ~~pre-mixed~~ pre-mix explosive material in a reservoir;

holding hardener material in a reservoir;

conveying said ~~pre-mixed~~ pre-mix explosive material and said hardener  
material to a static mixer via separate pipes; and

controlling a flow of ~~pre-mixed~~ pre-mix explosive towards said static mixer  
by using a hydraulic cylinder and ram assembly to apply controlled pressure to  
the pre-mix explosive material.